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**An Automata-Theoretic Approach to Branching-Time Model Checking (1998)** [\(Make Corrections\)](#) [\(86 citations\)](#)

Orna Kupferman, Moshe Y. Vardi, Pierre Wolper  
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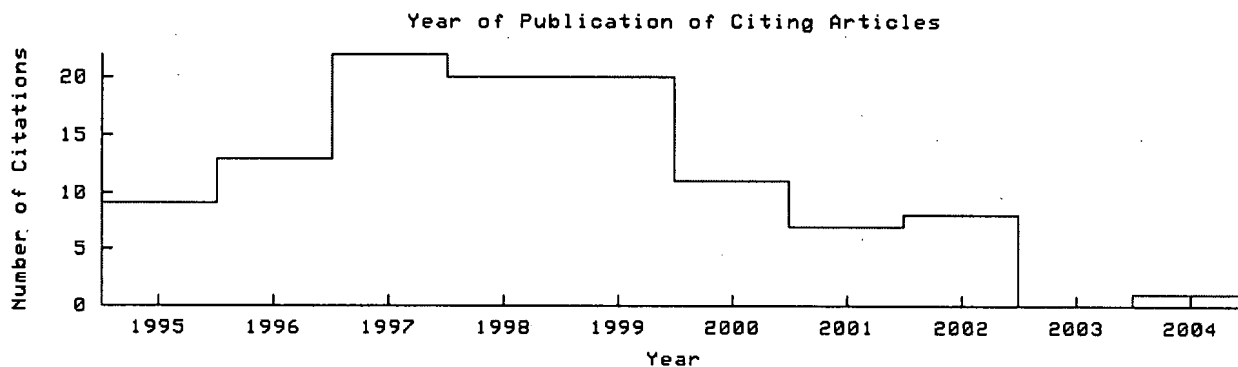
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Kousha Etessami

*Bell Labs*

(starting next week, my affiliation will be U. of Edinburgh)

## overview

- The purpose of my lectures:
  - to cover the fundamental algorithms used in the **automata-theoretic approach to (LTL) model checking**, as practiced in tools such as SPIN.